

CLAIMS

1. An electrical energy generator device,
comprising an array of micro-fans (3) each associated
5 to a dynamo-electric generator (5) by means of a
respective connecting shaft (4), characterised in that
for at least some of the micro-fans (3), the connecting
shaft (4) is provided with a lug element (6) which
mechanically co-operates at each revolution with a
10 piezoelectric element, for the production of additional
electrical energy.

2. A generator device as claimed in claim 1,
characterised in that the piezoelectric element is a
piezoelectric polymer or a piezoelectric ceramic.

15 3. An electrical energy generator device,
characterised in that it comprises one or more plates
(10) of piezoelectric material positioned in the
direction of a flow of air within a conduit (11) for
conveying air, in such a way that said plates are
20 forced to vibrate by the flow of air and consequently
produce electrical energy.